

CHERNETSOV, M. M., Cand Tech Sci (diss) -- "Investigation of the strength of wood fiber with stretching transverse to the fibers". Leningrad, 1960. 12 pp (Min Higher and Inter Spec Educ RSFSR, Leningrad Order of Lenin Forestry Engineering Acad im S. M. Kirov), 200 copies (KL, No 12, 1960, 129)

CHERNETSOV, M.M.

32-8-53/61

AUTHOR: None Given

TITLE: Short Reports (Korotkiye soobshcheniya).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 8, pp. 1002-1004 (USSR)

ABSTRACT: Dmitriyev, P.P. (Tashkentskiy khimicheskiy institut Akademii nauk UzSSR) suggested an alteration in the already known apparatus for oil-refining and determining the effective boiling points of mineral oil products according to Badgadzher in that the separation of the fractions does not take place in the Kleisen-pistons but in the apparatus itself, which permits a reduction of the time needed for the experiment, the elimination of losses and greater accuracy. There are 2 figures.

Krishtul, V.P. and Paskutskaya, L.N. (Akademiya kommunal'nogo khozyastva) suggested a kind of water jet-sucking pump to be used for emptying the vessels after the experiments are finished, which is assumed to offer technical-practical advantages. There is 1 figure.

Skopin, Yu.A. (Kazakhskiy sel'skakhozyaystvennyy institut) suggested a device for gas washing which offers the advantage that the washing liquid can be used without shutting off the gas and in which the gas washing process takes place between the bottoms of two telescoped vessels. There is 1 figure.

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Short Reports

Korshunov, V.I. (Institut goryuchikh iskopayemykh Akademii nauk SSSR) suggested an apparatus for the fraction analysis of dispersive minerals. The apparatus consists of a cylindric vessel the lower end of which forms a cone and is connected to a tube where a straight-way cock is provided. At the side, in the middle of the cylinder, there is a feeder through which the fine-grained mineral is fed, mixed with a liquid which has approximately the same specific weight. The lighter fractions, which rise up are caught by the channel provided above; the heavier ones, which are deposited below, are eliminated by the straight-way cock.

Simonyan, A.A. (Moskovskiy torfyanoy institut) suggested an apparatus for the determination of the maximum of the shearing stress and the coefficients of the lateral pressure of the plastic materials (chalk, peat, etc.). The apparatus consists of a horizontally fixed tube of several parts which can easily be dissembled into its individual parts and has inside a thread-like cut which prevents the displacement of the material it contains. One of the branches of the tube has an inductor for measuring the lateral pressure. The pressure is caused by a piston, which is introduced into the tube. The other end of the tube is fitted with a closing device. The number of the parts of the tube is reduced by dismantling them as required. Examples of application, 1 figure.

Card 2/3

Short Reports

32-8-53/61

Chernetsov, M.M. (Moskovskiy lesotekhnicheskii institut) worked out the method for the production of the prescribed wooden samples for the examination of the maximum of the lateral extension of the wood: in this case a specially steel sample is used. 1 figure.

Funke, V.F. (Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov) suggested a scheme of a furnace for the hardening of the samples at temperatures of up to 1600°. Heating takes place here in a neutral sheltered atmosphere and is regulated by the autotransformer. Examples of application are given. There is 1 figure.

AVAILABLE: Library of Congress

Card 3/3

CHERNETSOV, N.

CHERNETSOV, N., arkhitektor; MIKHALEVICH, P., inzh.

Constructing a demonstration block of low-rent apartment houses
in Moscow. Gor.i sel'.stroil.no.10:4-7 O '57. (MIRA 10:12)
(Moscow--Apartment houses)

VASIL'YEVA, Ye.N.; ABRAMOVICH, Ye.I.; CHERNETSOV, P.P.

Paint materials for protecting the outer surface of pipelines and methods
of their application. Lakokras.mat. 1 ikh prim. no.4:53-54 '60.
(MIRA 13:10)

(Pipelines) (Protective coatings)

KUZNETSOV, Ye.N., inzh.; CHERNETSOV, P.P., kand.tekhn.nauk

Applying thicker protective coating in one operation. Stroi.
truboprov. 6 no. 1:17-18 Ja '61. (MIRA 14:2)
(Protective coatings) (Gas, Natural—Pipelines)

S/081/61/000/019/078/085
B103/B147

AUTHORS: Vasil'yeva, Ye. N., Abramovich, Ye. I., Chernetsov, P. P.

TITLE: Varnishes and paints to protect the outer surface of pipelines and their application

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 511, abstract 19P235 (Lakokrasochn. materialy i ikh primeneniye, no. 4, 1960, 53-54)

TEXT: The authors give brief data on the results of investigations concerning the selection of varnish and paint protections for the open-air sections of the Bukhara-Sverdlovsk pipeline. The following variants were chosen for experimental sections on the basis of preliminary laboratory tests: two layers of ПВХ-714 (PVKh-714) enamel on a prime coat of ~~ЭП~~-013 (FL-013) or ~~ЭП~~-03K (FL-03K) or ~~ЭХГМ~~ (FKhGM); one layer of ground coat 9-4020 (E-4020); two layers of ХВ-113 (KhV-113) varnish with aluminum powder (10-15%) on a ВХГМ (VKhGM) prime coat. [Abstracter's note: The original writes PVKh-714 and PKhV-714 alternately. Since a PVC coat is assumed, the version PVKh-714 was chosen.] A two- or three-Card 1/2

Varnishes and paints to ...

S/081/61/000/019/078/085
B103/B147

layer coat with PVKh-714 enamel on a VKhGM prime coat and preceding
VL-08 (VL-08) prime coat of the welding seams is recommended on the basis
of a six-month test of experimental sections of the Samarkand-Bukhara
pipeline painted with these variants; pipeline should be sprayed before
installation with subsequent mending of damaged parts. [Abstracter's
note: Complete translation.]

Card 2/2

MUYEV, V.V., inzh. (poselok Voy-Vozh, Komi ASSR); CHEKNETSOV, P.P., kand.tekhn.
nauk (Moskva)

Protection of ground-level gas pipelines from corrosion in the Komi
A.S.S.R. Stroi. truboprov. 7 no.11:20-21 N '62. (MIRA 15:12)
(Komi A.S.S.R. - Gas, Natural— Pipelines
(Protective coatings)

ZHUKOV, V.I., inzh.; CHERNETSOV, P.P., kand. tekhn. nauk

Atmosphere-resistant coatings for insulating overground pipelines.
Trudy VNIIST no.17:52-66 '63.

Cold coatings for joints and the repair of the insulation of
underground and underwater pipelines. Ibid.:67-79
(MIRA 18:3)

CHERNETSOV, S.M.

15 8520

9,2165 (1001, 1331, 1482)

3312h

S/638/61/001/000/055/056
B125/B104

AUTHORS: Karpov, V. L., Malinskiy, Yu. M., Mitrofanova, L. V.,
Slinitsyn, S. T., Pinkel', E. E., Fridman, A. S. Chernetsov
S. M.

TITLE: Increase of the thermal stability of polyethylen-insulated
lines by ionizing radiation

SOURCE: Tashkentskaya konferentsiya po mirnomy ispol'zovaniyu
atomnoy energii. Tashkent, 1959. Trudy. v. 1. Tashkent,
1961, 383-389

TEXT: A copper wire 1 mm in diameter and insulated with 0.5 mm of
polyethylene was irradiated by a Co⁶⁰ gamma radiation source of
20,000 g-equ. Ra in a vacuum as well as by an electron linear accelerator
in the air. The thermal stability of the irradiated samples was deter-
mined by the analysis of the thermomechanical curves, i.e., of the time
dependence of deformation under given load and with the temperature rising
by a constant rate of 50 deg/hr, using a specially built device. The
deformation that was attained is a measure of thermal stability at given
temperature and load. The lifetime of the workpiece can be estimated from
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S/638/61/001/000/055/056
B125/B104

Increase of the thermal stability ...

the time dependence of deformation (likewise measurable by the above-mentioned device) at constant temperature and load. At increased temperatures the deformation is the lower, the higher the radiation dose, and remains practically constant up to 250°C. The restriction of deformation under a load of 0.5 kg to about half the radial thickness by irradiation with doses of 100-150 Mrad or by irradiation with 1-Mev ($15 \mu\text{A}/\text{cm}^2$) electrons for 2-4 min guarantees the usability of lines above 80°C. The final deformation is increased by a load increase without any change of its nature. The line still remains efficient if the load is quadrupled. The amount of final deformation is not affected by the rate of temperature increase over a wide range. The deformation is only little temperature-dependent under both long and brief load action. A line with irradiated insulation can be exposed to 180°C for at least 4 hrs, and remains efficient for some hours even at 230-250°C. If suitable stabilizers are introduced into polyethylene, the maximum operating time in this temperature range can probably be increased considerably, and the line can be exposed to even higher temperatures for a short time. The increased thermal stability improves the reliability of insulated wires at high temperatures, especially in the case of breakdown, and increases

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33124

S/630/61/001/000/055/056
B125/B104

Increase of the thermal stability ...

the operating time at normal temperatures. Gamma irradiation in vacuo increases the stability at 20° and 90°C, while doses of more than 200 Mrad reduce it. The irradiation of 0.4 mm thick samples in the air reduces the relative elongation and also the tensile strength at 20° and 90°. The best strength properties are achieved by irradiation in vacuo with doses of up to 100 Mrad. The tensile strength of an insulation irradiated with fast electrons are presented in Table 1. Tensile strength, resistance to frost, electric breakdown and electrical resistance of a sample irradiated with a gamma dose of 100 Mrad or, equivalently, with 1-Mv electrons for 2-4 min were fully satisfactory. The resistance of line insulation to thermal aging drops with increasing radiation dose. Samples irradiated with electrons are more resistant in this respect than samples irradiated with an equivalent gamma dose. There are 6 figures, 6 tables, and 7 references: 5 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: Dolle M., Kelling C. D., Rose D. J. J. Am. Chem. Soc., 76, 4304, 1954; Charlesby A., Bain, T. Brit. Plastics, 30, 4, 146, 1957.

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3

Increase of the thermal stability ...

33124
S/638/61/001/000/055/056
B125/B104

ASSOCIATION: Gosudarstvennyy n.-i. institut kabel'noy promyshlennosti
(State Scientific Research Institute of Cable Industry).
N.-i. fiziko-khimicheskiy institut im. L. Ya. Karpova
(Scientific Physicochemical Research Institute imeni L. Ya.
Karpov). Vsesoyuznyy elektrotekhnicheskiy institut im.
V. I. Lenina (All-Union Electrotechnical Institute imeni
V. I. Lenin)

Table 1. Tensile strengths of insulations irradiated with fast electrodes.
Legend: (1) irradiation technique; (2) nonirradiated material; (3) voltage;
(4) exposure (min); (5) tensile strength, kg/cm²; (6) relative elongation,
%.

Режим облучения (1)	Необлученный материал (2)	Напряжение (3)									
		0,5 Мэ					1 Мэ				
		экспозиция, мин. (4)									
		1	2	4	8	16	0,5	1	2	4	
(5) Сопротивление разрыву, кг/см²	160	148	134	131	158	154	166	159	143	131	
(6) Относительное удлинение, %	480	452	221	144	106	38	401	357	266	165	

Card 4/4

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 181 (USSR) SOV/137-58-12-25354

AUTHORS: Moroz, L. S., Khesin, Yu. D., Mingin, T. E., Chernetsov, V. I.

TITLE: The Strength of Titanium (Prochnost' titana)

PERIODICAL: V sb.: Metallurgiya. Moscow-Leningrad, AN SSSR, 1957, pp 172-193

ABSTRACT: An investigation was made of the effect of low temperatures, rate and length of loading time, notching, and other external factors on the modulus of rupture of industrial Ti smelted in an electric-arc vacuum furnace. The authors discovered a sharp difference in sensitivity to notching (SN) in metals of separate smeltings which was determined by the ratio between the specific deformation work of impact stretching of smooth specimens and the a_k of notched Mesnager-type specimens. Ti which has a high SN is also sensitive to the state of the surface in notched specimens. The maximum H content of $\sim 0.007 - 0.008\%$ with which Ti retains a tolerable SN, but this figure may vary depending upon O and N content. The intensity of the effect of H on the a_k is determined by the size and type of TiH precipitation which depends upon the cooling rate from the temperature of $> 400^\circ\text{C}$. Static

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SOV/137-58-12-25354

The Strength of Titanium

bending tests of notched specimens showed that the magnitude of the bending deflection and the deformation work up to the appearance of the first crack, as well as the work of propagation of the crack through the entire section of the specimen at room temperature, are less in Ti than in SKhL-4 steel. In dynamic testing Ti with 0.0007% H exhibits no cold-brittleness whatever, but when affected by impurities, in particular by H, it becomes cold-brittle. An increase in H content to 0.0125% decreases ψ by 75% at -196°C . The authors advance a hypothesis to explain the physical nature of H-brittleness of Ti by the low S_{ot} of favorably oriented hydride inclusions. It was discovered that the strain rate has no effect on the ductility of smooth specimens of Ti enriched with H.

G. T.

Card 2/2

CHERNETSOV, V. I.

TABLE 1 BOOK REFLECTIONS NOV/712

Referred to; abstracts; No. 3 (Physical Metallurgy) Collection of Articles, No. 3), Leningrad, Supremacy, 1979. 390 p. 3,200 copies printed.

Ed.: G. I. Kopylov, Candidate of Technical Sciences; literary and Tech. Ed.: E. I. Kopylov.

PURPOSE: This collection of articles is intended for scientific personnel at research and educational institutions and industrial plants and also for advanced students.

CONTENTS: The articles report the results of investigations of 1) the effect of various factors on the susceptibility of cast-iron and heat-resistant steels and titanium alloys to brittle fracture; 2) the effect of various factors on the conditions of loading (long-term, cyclic, noncyclic) of alloys; 3) the structure and properties of alloys as related to their mechanical properties, strength, and resistance to corrosion; 4) the structure and properties of cast-iron and heat-resistant steels. The articles are accompanied by numerous Soviet and non-Soviet references. No personalities are mentioned.

Zav'elov, A. S., Doctor of Technical Sciences, Professor. Nature of Steel-Brittle Fracture Processes During Heating and the Effect of Alloying Elements on This

Topolov, Ya. P., Candidate of Technical Sciences; E. S. Topolov, Engineer; and Ya. A. Mironov, Technician. Effect of Nickel and Copper on Thermal Brittleness of Chrom-Molybdenum-Vanadium Constructional Steel

Mironov, L. S., Doctor of Technical Sciences; and V. E. Mironov, Engineer. Mechanism of Hydrogen Embrittlement in Steel

Gilman, I. A., Doctor of Technical Sciences, Professor; E. E. Kolyagin, Engineer; V. E. Kolyagin, Candidate of Chemical Sciences; and V. I. Kolyagin, Candidate of Chemical Sciences. Change in Mechanical Properties of Certain Steels Under the Action of Hydrogen at High Temperatures and Pressures

Kozlov, L. S., and Yu. D. Shesin, Engineer. Investigation of the Mechanism of Hydrogen Embrittlement of Titanium and Its Alloys

Mikhlin, S. I., Candidate of Technical Sciences. Role of Intermediate Structures in the Heat Treatment of Medium-Alloy Constructional Steel

Gol'dshtrayn, L. Ya., Engineer. Stability of Structures and Properties of Tempered Steel

Mechanically, A. L., Candidate of Technical Sciences. Microscopic and Macroscopic Cracks in Quench-Hardened Steel

Chernetskov, V. I., Engineer. Sensitivity of Titanium and Its Aluminides Alloys to Brittle Failure Under Nonreplicative Loading

Chernitsin, B. B., Candidate of Technical Sciences. Investigation of the Relationship Between Size of Specimen and Development of the First Failure Crack in Testing Steel for Mechanical Properties

Pushkov, P. O., Doctor of Technical Sciences, Professor. Some Observations on the Strength of Metals as Related to Their Microstructure

Burakov, S. S., Candidate of Technical Sciences. Investigation of the Initial Portions of Stress-Strain Diagrams and Relaxation of Stresses for Quench-Hardened Steel

CHERNETSOV, V.I., inzh.

Sensitivity toward brittle failures in titanium and its alloys
with aluminum under the effect of single stress loading.

Metallovedenie 3:136-157 '59.

(MIRA 14:3)

(Titanium--Brittleness) (Titanium-aluminum alloys--Brittleness)

S/129/60/000/06/009/022
E073/E535

AUTHOR: Chernetsov, V. I., Engineer
TITLE: Influence of the Grain Size on the Mechanical Properties
and the Notch Sensitivity of Commercially Pure Titanium
PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,
1960, Nr 6, pp 40-42 + 1 plate (USSR)
ABSTRACT: The aim was to study the influence of the grain size on
the mechanical properties and the notch sensitivity and
to verify data in the literature on this question.
Ingots of commercially pure titanium were cut into
blanks 35 x 35 x 227 mm. For eliminating hydrogen
the material was annealed for 5 hours in a vacuum
furnace at 950°C; after vacuum annealing the metal still
contained 0.0017% H, 0.042% N, 0.075% O. To obtain a
fine grain the blanks were rolled at 400°C, the rolled
14 x 14 mm rods were heated for 1 hour at 700°C and then
quenched in water. Then the metal had the following
mechanical properties: $\sigma_b = 70.6 \text{ kg/mm}^2$, $\sigma_s = 51.4 \text{ kg/mm}^2$,
Card 1/3 $\delta = 27\%$, $\psi = 43.4\%$ and HB 200 kg/mm². Coarser grain was

S/129/60/000/06/009/022
E073/E535

Influence of the Grain Size on the Mechanical Properties and the
Notch Sensitivity of Commercially Pure Titanium

produced by heating in a vacuum furnace in order to exclude saturation of the metal with oxygen, nitrogen and hydrogen. The micro- and macrostructure at various annealing temperatures is shown in the photographs reproduced in Fig 1 (plate). The grain size was determined by counting the number of crystallites on a cut at a magnification of 100 for the temperatures 750 to 900°C and at a magnification of 10 for the temperatures 950 to 1100°C. The average data of the measurements are entered in Table 1 for a test temperature of 20°C. The dependence of the grain size on the temperature of vacuum annealing is plotted in Fig 2; data on the influence of the grain size on the mechanical properties are entered in Table 2. Fig 3 shows a plot of the dependence of the impact strength on grain size at the test temperatures +20 and -196°C. It was found that commercially pure titanium has no

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S/129/60/000/06/009/022
E073/E535

Influence of the Grain Size on the Mechanical Properties and the
Notch Sensitivity of Commercially Pure Titanium

cold shortness and is not sensitive to the grain size.
There are 3 figures, 2 tables and 3 references, 1 of
which is Soviet, 1 German and 1 English.



Card 3/3

L 15043-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/PM

ACC NR: AP6003953

SOURCE CODE: UR/0374/65/000/005/0151/0153

AUTHOR: Beklemishev, D. P. (Leningrad); Gaydamako, M. A. (Leningrad);
Korshunova, G. D. (Leningrad); Chernetsov, V. I. (Leningrad)

ORG: none

TITLE: Effect of scale and temperature factors on the impact strength of plastics

SOURCE: Mekanika polimerov, no. 5, 1965, 151-153

TOPIC TAGS: thermosetting material, thermoplastic material, plastic strength, impact strength, temperature factor, mechanical stress, scale factor

ABSTRACT: Experimental investigations of the mechanical characteristics of certain thermosetting plastics show the indubitable effect of scale and temperature factors on the impact strength of plastics. It has been found that the specific impact strength of the AG-4V plastic material increases (up to T=1400C) with an increase in temperature and then sharply declines to its value at T=20C when the size of sample taken is one fifth of the State Standard size and when the temperature of heating is increased from 20 to 200C. Under similar conditions the plastic SNK-2-27 manifests directly opposite behavior. The AG-4V plastic is more sensitive both to decrease in size and increase in the temperature of heating. Orig. art. has: 3 figures and 2 formulas. [Based on author's abstract]

SUB CODE: 11 SUBM DATE: 26Apr65/
 Cord 1/1

UDC: 678:620.178.24

NIKITIN, I.P., inzh.; GAGAUZ, F.G., inzh.; DROBNITSA, V.F., inzh.;
DROBNITSA, A.V., inzh.; CHERNETSOV, V.M.

Liberation of gas during the making of upraises. Bezop.
truda v prom. 8 no.9:20 S '64 (MIRA 18:1)

1. Krivorozhskiy filial Instituta gornogo dela imeni M.M. Fedorova
(for all except Chernetsov). 2. Rudnik im. K. Libknekhta (for
Chernetsov).

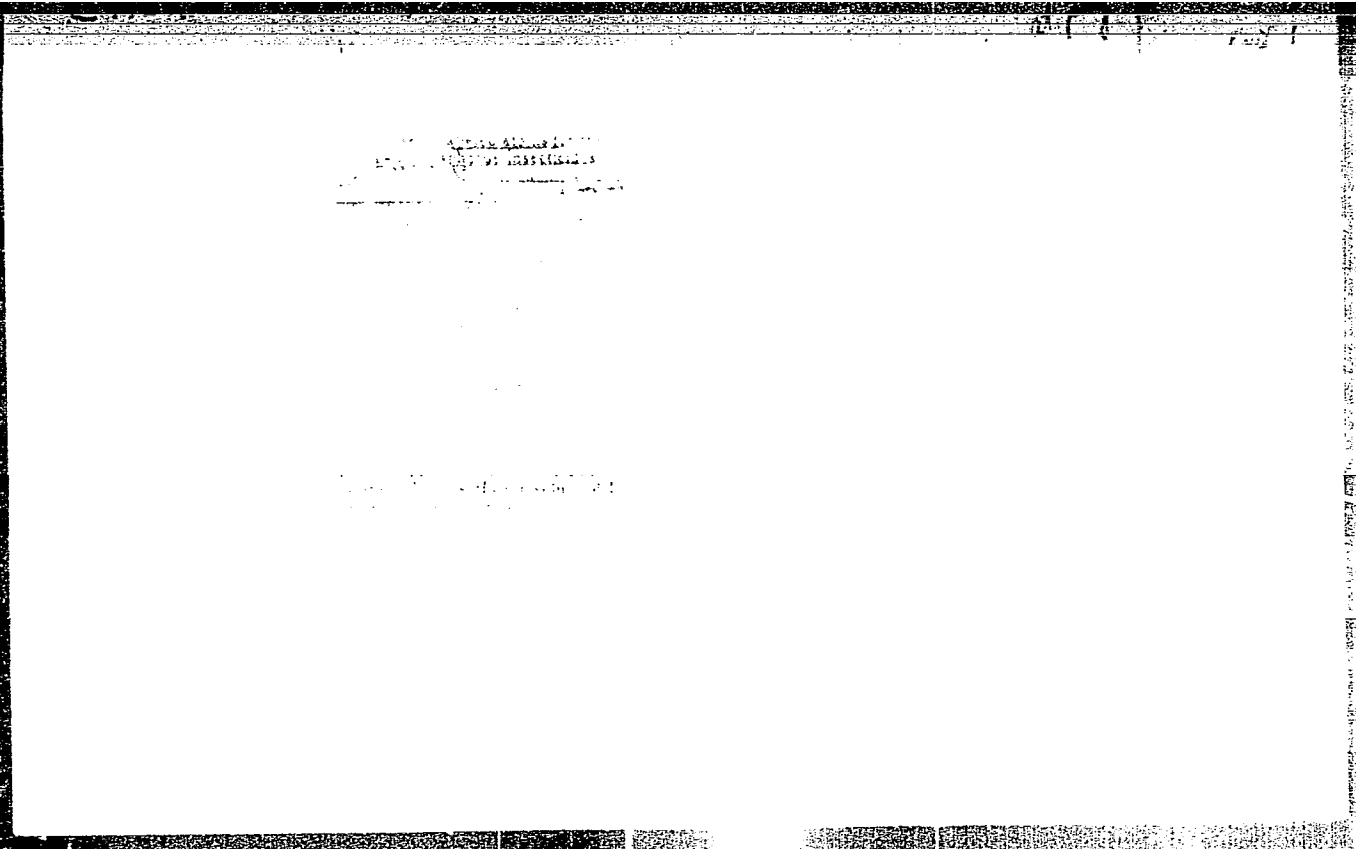
CHERNETSOV, V. N.

"K voprosu ob etnicheskom substrate v tsirkumpolyarnoy kul'ture."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308510011-2



APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308510011-2"

Chrysanthenum, V. J.

1. An application of the Chrysanthenum to the

in roots. Chrysanthenum plants were allowed to absorb
through the roots an emulsion of the Chrysanthenum to the
0.25% and the plants

CH
The determination of silicon in fluoride by the spectral method. M. M. Koshelova and V. I. Chernetsova. *Zo-
odskaya Lab. 21, 400-1 (1955).*—A rapid method is described
for the spectral detn. of Si in NaF and CaF₂. Calibration
curves were established on the basis of 3 samples of known
compn. The error was ~2% for samples contg. 21-4%
SiO₂ in NaF and 18% SiO₂ in CaF₂; the time of analysis
was much less than that for the chem. method.

J. Rovtar Leach
① MB

GAR, K.A.; CHERNETSOVA, V.I.

~~Stability in the toxic action of hexachloro-cyclohexane and DDT~~
Stability in the toxic action of hexachloro-cyclohexane and DDT
dusts under various conditions. [Trudy] NIUIF no.156:55-64 '55.
(MLRA 9:10)

(DDT (Insecticide))
(Benzene hexachloride)

CHERNETSOVA, Ye. A.

"The Role Played by Antibiotic Substances in the Antagonistic Relations between Microorganisms." Cand Med Sci, Gor'kiy State Medical Inst imeni S. M. Kirov, Gor'kiy, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

CHERNETSOVA, E. S.

28022. OSOKIN, N. E. i REMEZ, L. I. -- K voprosu o kozhevnikovskoy epilepsii -- V ogl. 2-y Avt: Remez A. I. Yubileyny sbornik khirurg Rabot. Posbyashch. Prof. Shilovtsevu. Kuybyshev. 1949, S. 40-46. CHERNETSOVA, E. S. pak i beremennost'.-- SM. 28017.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

CHERNETSOVA, E. S.

28010. CHERNETSOVA, E. S. -- Alkogolizatsiya arterii po razumovskomu pri razlichnykh khirurgicheskikh zatolevaniyakh. Yubileyny sbornik khirurg. Rabot, posvyashch. Prof. Shilovtsevu. Kuybyshev, 1949, S. 276-83.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

CHEARNETSOVA, E. S.

28017. CHEARNETSOVA, E. S. — Rak i beremennost'. Yubileyny sbornik khirurg. Rabot, Posvyashch. Prof. Shilovtsevu. Kuybyshev, 1949, S. 313-20-- Bibliogr: 9 Nazv.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

CHERNETSOVA, E. S.

28016. CHERNETSOVA, E. S. -- Blizhayshiye i otdalennyye rezul'taty operativnogo lecheniya raka matki po materialam kuybyshevskogo onkologicheskogo dispansers. Yubileynyy sbornik khirurg. Rabot, Posbyashch. Prof. Shilovtsevu. Kuybyshev, 1949. S. 321-29.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

CHERNETSOVA, Ye. S.

CHERNETSOVA, Ye. S., kandidat meditsinskikh nauk

Late results of surgical treatment of fibromyoma of the uterus.
Akush. i gin. no.3:59-61 My-Je '55. (MLRA 8:10)

1. Iz kliniki akusherstva i ginekologii (zav.-kafedroy-prof.
A. G. Butylin) Kurskogo meditsinskogo instituta.
(UTERUS, neoplasms,
leiomyoma, surg.,remote results)
(LEIOMYOMA,
uterus, surg.,remote results)

USSR/General Problems of Pathology. Comparative Oncology. Human
Tumors.

U-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 66129

Author : Chernetsova Ye. S.

Inst : ~~Kursk Medical Institute~~

Title : The Clinical Course of Fibromyomas in Relationship to their
Histological Structure.

Orig Pub : Sb. tr. Kurskiy med. in-t, 1956, vyp. 11, 138-142

Abstract : In clinical and histological studies of 30 patients with
uterine fibromyomas, the author found that the mucosa of
these patients contained argentaphile fibers located around
the glands and blood vessels, that in 77 percent of the cases
there was development of connective tissue and in 23 percent
there was development of muscle tissue; in the tumors in which
the connective tissue predominated there was a hardening
of the basic argentaphile substance and a transformation of
the precollagen into collagen fibers (in the tumors with pre-
dominant muscle tissue collagenization was not observed);

USSR/Tumors

U-4

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 27877

Author : Chornetscva, Ye.S.

Inst : Not Given

Title : The Course of Carcinoma of the Uterus in Relation to Age.

Orig Pub : Sb. tr. Kurskiy med. in-t, 1956, vyp. 11, 136-137

Abstract : Carcinoma of the cervix was found in 27 of 556 patients below 30 years of age. The cure rate comprised 33% in this group. The cure rate in 30-50 age group comprised 39.3%. Only 51 (27%) of 189 patients over 60 years of age were operable, but only 22 of these were subjected to surgery. Only one remained alive after 5 years of combined treatment. The author recommends that old patients be subjected to X-ray treatment.

Card : 1/1

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S/084/60/000/006/015/020
A104/A029

AUTHOR: Chernev, A., Graduate Engineer

TITLE: Barograph and Barogram

PERIODICAL: Grazhdanskaya Aviatsiya, 1960, No. 6, p. 21.

TEXT: The author points out that local flights airliners are frequently starting with unsealed barographs and used barograms. This is due to the shortness of route, preoccupation of the aircraft technician and also to shortcomings of the AQ-2 (AD-2) barograph. This type of barograph is too bulky, suspender springs snap frequently and distort recorded data.

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CHERNEV, B.

1. Selected mechanical work in the mechanical shop, pp. 3-5.
2. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.
3. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.
4. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.
5. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.
6. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.
7. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.
8. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.
9. Dr. B. Chernov and Dr. B. Chernov (1931 - 1932) were the first to introduce the use of the mechanical shop in the mechanical shop, pp. 3-5.

1/1

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Epidemiology of osteoarticular tuberculosis in Bulgaria during
the period of 1952-1960. Khirurgiia 15 no.2/3:193-195 '62.

(TUBERCULOSIS OSTEOARTICULAR epidemiol)

CHENEV, D.

"Concrete with high hard quality."

STROITELSTVO: Vol. 6, No. 4, 1959; Sofia, Bulgaria

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Vol. 8, No. 8, August, 1959

Unclassified

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A Portable Tape Recorder. In Radio Engineering, No. 2:43 Feb 55

CHERNEV, D.

Indicator Tubes and the Possibilities for Utilizing Them as Low
Frequency Amplifiers. In Radio Engineering, No. 2:45 Feb 55

CHEENEV, D.

Amplifier for amateur tape recorders. p. 59.

Vol. 4, no. 7/8, 1955
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So: Eastern European Accession Vol. 5 No. 4 April 1956

CHERNEV, D.

Basic principles in magnetic sound recording. p. 47.

RADIO. Vol. 5, no. 1, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

CHERNEV, D.

Sound recording and electric acoustics; high-frequency magnetic induction. p. 42.

RADIO. Vol. 5, no. 2, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

CHERNEV, D.

CHERNEV, D. Reproduction of recorded sound. p. 45.

Vol. 5, No. 3, 1956.

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TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, Feb. 1957

CHERNEV, D.

Some problem in recording and erasing sound on magnetic
recorders. p. 58 RADIO. (Ministerstvo na poshtite,
telegrafite, telefonite i radioto i Tsentralnia suvet na
dobrovolnata organizatsiia za subeistvie na otbranata)
Sofiya. Vol. 5, No. 4, 1956

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 5, no. 11, November 1956

CHERNEV, D.

Placing the cord for the tuning knob in the radio receiver.
p. 60 RADIO. (Ministerstvo na poshtite, telegrafite, telefonite i radioto i Tsentralniia suvet na dobrovolnata organizatsiia za subeistvie na otbranata) Sofiya. Vol. 5, No. 4, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

CHERNEV, D.

Radio stations which work on 52-11 meter bands (short waves).
p. 61. RADIO. (Ministerstvo na poshtite, telegrafite,
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No. 4, 1956

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Congress, Vol. 5, No. 11, November 1956

CHERNEV, D.

Where and how to fasten the heads of the amateur tape recorder. p. 58.

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Congress, Vol. 6, No. 1, January 1957

CHERNEV, E.

Observations on cholelithiasis senescentive to liver echinococcosis.
Khirurgia, Sofia 9 no.4:354-357 1956.

(LIVER DISEASES, complications,
echinococcosis with cholelithiasis (Bul))
(ECHINOCOCCOSIS, complications,
liver echinococcosis with cholelithiasis (Bul))
(CHOLELITHIASIS, etiology and pathogenesis,
echinococcosis of liver (Bul))

CHERNEV, E.

Non-perforated biliary peritonitis. Khirurgia, Sofia 11 no.3:225-230
Mar 58.

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biliary, non-perforated (Bul))

TABAKOVA, M.; BAZIRGIANOVA, G.; CHERNEV, E.

A study of occupational injuries during 1953 and 1954 in the
"Georgi Dimitrov" state mining plant. Nauch. tr. vissh. med.
inst. Sofia 41 no.2:141-146 '62.

1. Predstavena ot prof. St. Dimitrov.
(ACCIDENTS, INDUSTRIAL) (MINING)

CHERNEV, I.N.; MASAYEV, Yu.A.

Safety of using chamber charges for making cushions over shields
in Kuznetsk Basin mines. Vop.bezop.v ugol'.shakh. 4:207-213
'64.

(MIRA 18:1)

CHERNEV, Ivan, inzh.

Varnishing of furniture in Czechoslovakia. Durvomebel prom 6
no.1:11-14 Ja-F '63.

1. Nauchnoizsledovatel'ski institut po durvooobrabotvashta i
mebelna promishlenost.

CHERNEV, Ivan, inzh.

Imitating the plywood of valuable tree species by decorative coloring. Durvomebel prom 6 no.3:13-16 My-Je'63

1. NIPKIDMP.

CHERNEV, Ivan, inzh.

Causes of urea resin spots on the surface of furniture boards.
Durvomebel prom.7 no.2/3:3-7 Mr-Je '64.

1. NIPKIDMP.

CHERNEV, KH.

CHERNEV, KH. Disclosing the intraproduction reserves for fulfilling the pledges in answer to the appeal of the leading enterprises. p. 9.

Vol. 5, No. 8, 1956.

TEZHKA PROMISELENCOST

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, Feb. 1957

CHERNEV, Khr.

Some methodological problems in the prospective planning at a machine-construction enterprise. Mashinostroene 10 no.12:29-32 '61.

1. Gl. spetsialist, Durzhavna planova komisiia.

ZLATEVA, A.; MARKOV, P.; TODOROV, T.; CHERNEV, Kh.

Elastic π -meson scattering at a pulse of 4.0 Bev./c on protons.
Doklady BAN 16 no.6:581-583 '63.

1. Fizicheskiy institut s ANEB pri BAN. Predstavleno akad. G. Nadzhakovym, chlenom Redaktsionnoy kollegii, "Doklady Bolgarskoy Akademii nauk".

KIRILLOVA, L.F.; NIKITIN, V.A.; PANTUYEV, V.S.; SVIRIDOV, V.A.; STRUNOV, L.N.;
KHACHATURYAN, M.N.; KHRISTOV, L.G.; SHAFRANOVA, M.G.; KORBEL, Z.; ROB, L.;
DAMYANOV, S.; ZLATEVA, A.; ZLATANOV, Z.; YORDANOV, V. [Iordanov, V.];
KANAZIRSKI, Kh.; MARKOV, P.; TODOROV, T.; CHERNEV, Kh.; DALKHAZHAY, N.;
TUVDENDORZH, D.

Elastic pp and pd-scattering at small angles in the energy range
2 - 10 Bev. IAd. fiz. 1 no.3:533-539 Mr '65. (MIRA 18:5)

1. Ob'yedinennyy institut yadernykh issledovaniy. 2. Vyssheye
tekhnicheskoye uchilishche, Praga (for Korbelt, Rob). 3. Fizicheskiy
institut Bolgarskoy Akademii nauk, Sofiya (for Damyanov, Zlateva,
Zlatanov, Yordanov, Kanazirski, Markov, Todorov, Chernev). 4. Institut
khimii i fiziki, Ulan-Bator, Mongol'sakaya Narodnaya Respublika (for
Dalkhazhav, Tuvdendorzh).

L 24301-66	ENT(m)	DIAAP	17C
ACC NR: AF6006795	SOURCE CODE: UR/0386/66/003/001/0015/0021 42B		
AUTHOR: Zolin, L. S.; Kirillova, L. F.; Liu, Ch'ing-ch'iang; Nikitin, V. A.; Pantu- yev, V. S.; Sviridov, V. A.; Strunov, L. N.; Khachatryan, M. N.; Shafranov, M. G.; Korbel, Z.; Rob, L.; Devinski, P.; Zlatanov, Z.; Markov, P.; Khristov, L.; Chernov, Kh.; Dalkhazhav, N.; Tuvdendorzh, D.			
ORG: [Zolin, Kirillova, Liu, Nikitin, Pantuyev, Sviridov, Strunov, Khachatryan, Shafranov] Joint Institute of Nuclear Research, Dubna (Ob'yedinenyy institut yader- nykh issledovaniy); [Korbel, Rob] Czechoslovakian Higher Technical School, Prague (Cheshskoye vyssheye tekhnicheskoye uchilishche); [Devinski, Zlatanov, Markov, Khris- tov, Chernov] Physics Institute, Bulgarian Academy of Sciences, Sofia (Fizicheskiy institut Bolgarskoy akademii nauk); [Dalkhazhav, Tuvdendorzh] Institute of Physics and Chemistry, Mongolian Academy of Sciences, Ulan Bator (Institut fiziki i khimii Mongol'skoy akademii nauk)			
TITLE: Real part of the ¹⁹ pn scattering amplitude in the energy interval 2--10 Gev			
SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 1, 1966, 15-21			
TOPIC TAGS: proton scattering, neutron scattering, scattering amplitude, differen- tial cross section, deuteron reaction			
ABSTRACT: On the basis of experimental data obtained by the authors on elastic pd scattering in the energy interval 1--10 Gev, and information on pp scattering ampli- tude in this energy range, the authors determined the real part of the scattering			
Card 1/2			

L 24301-66

ACC NR: AF6006795

amplitude by means of an experiment involving registration of slow recoil deuterons from a film target of deuterated polyethylene 0.5--0.6 μ thick. The investigated range of the squared momentum transfer was $0.003 < |t| < 0.2 \text{ (Gev/c)}^2$. Plots are presented of the differential cross sections vs. the square of the momentum transfer and an empirical formula is given for these plots. The value obtained for the total cross section of elastic pd scattering at 6 Gev is several times smaller than that measured by others. In the small-angle region of pd scattering, constructive interferences were observed between the Coulomb and nuclear scatterings. From the obtained real part of the pd scattering amplitude, and from a comparison of the obtained data with earlier measurements by the authors of the pp scattering amplitude of the same energies (ZhETF v. 50, 76, 1966), the estimated real part of the pn scattering amplitude is +0.2, -0.06, -0.45, and -0.40 for 2, 6, 8, and 10 Gev respectively. The small nonzero real part of the pn scattering amplitude agrees with data obtained at CERN (G. Bellettini et al., Internat. Conf on Elementary Particles, Oxford, 1965). Orig. art. has: 2 figures, 3 formulas, and 2 tables.

SUB CODE: 20/ SUBM DATE: 12Nov65/ ORIG REF: 005/ OTH REF: 005

Cord 2/2 TV

L 22122-66 EMT(1)

ACC NR: AP6004922

SOURCE CODE: UR/0056/66/050/001/0076/0077

AUTHOR: Kirillova, L. F.; Nikitin, V. A.; Sviridov, V. A.; Strunov, L. N.;
Shafranova, M. G.; Korbel, Z.; Rob, L.; Zlateva, A.; Markov, P. K.; Todorov, T.;
Khristov, L.; Chernev, Kh.; Dalkhazhav, N.; Tuvdendorzh, D.

ORG: /Kirillova; Nikitin; Sviridov; Strunov; Shafranova/ Joint Institute of
Nuclear Research, Dubna (Ob'yedinenny institut yadernykh issledovaniy); /Korbel;
Rob/ Czechoslovakian Higher Technical School, Prague (Chekhoslovatskoye Vyssheye
tekhnicheskoye uchilishche); /Zlateva; Markov; Todorov; Khristov; Chernev/ Physics
Institute, Bulgarian Academy of Sciences, Sofia (Fizicheskiy institut Bolgarskoy
Akademii nauk); /Dalkhazhav; Tuvdendorzh/ Institute of Chemistry and Physics,
Mongolian Academy of Sciences, Ulan-Bator (Institut khimii i fiziki Mongol'skoy
Akademii nauk)

TITLE: Real part of the pp ²¹elastic scattering amplitude at 2, 4, 6, 8, and 10 Gev

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 1, 1966,
 76-77

TOPIC TAGS: proton scattering, elastic scattering, scattering amplitude, differ-
 ential cross section, nuclear scattering
 Card 1/2

L 22122-66

ACC NR: AP6004922

ABSTRACT: This is a continuation of earlier work by the authors (Phys. Lett. v. 13, 93, 1964) in which they present results of the measurements of the real part of the nuclear elastic scattering amplitude for an energy of 4 Gev, and more precise data for energies 2, 6, 8, and 10 Gev, taking into account the relativistic corrections. The experimental technique was described elsewhere (PTE no. 6, 18, 1963). The differential cross section was measured in the interval $0.003 < |t| < 0.2 \text{ (Gev/c)}^2$ (t = momentum transfer squared). The analysis of the obtained data as well as those reported by others was based on the Bethe formula (Ann. of Phys. v. 3, 190, 1958) with allowance for radiative corrections. The results agree well with the theoretical curve proposed by Soding (Phys. Lett. v. 8, 286, 1963), up to an energy of 20 Gev, above which some discrepancy appears. Orig. art. has: 1 figure and 2 formulas.

SUB CODE: 20/

SUBM DATE: 25Aug65/

ORIG REF: 001/

OTH REF: 008

Card 2/2

BK

BASOV, V.S.; YEGOROV, F.S.; CHERNY, K.K.

Automatization of the control of Diesel engines. Energ.biul. no.12:1-8 D
'53. (MIRA 6:11)
(Diesel motor)

CHERNEV, K.K.. inzhener.

Pneumatic blocking of interruptors with circuit breakers.
Energetik 2 no.2:18-19 P 154. (MLRA 7:4)
(Electric circuit breakers)

CHERNY, K.K.

Semiautomatic self-synchronization system of a diesel-generator.
Energ.bul. no.10:29-31 0 '54. (MLRA 7:11)
(Dynamos)

CHERNEV, K.K.

Chernev, K.K.

BAZHANOV, P.I., inzhener; ~~CHERNEV, K.K., inzhener.~~

Repairing a hydrogenerator stator. Elek.sta. 25 no.12:46-47
D '54. (MLRA 7:12)
(Dynamos)

CHERNEV, K[K.]

AID P - 2377

Subject : USSR/Engineering

Card 1/1 Pub. 28 - 11/13

Author : Chernev, K.

Title : Repair of cracked diesel pistons

Periodical : Energ. Byul., 6, 27-28, Je 1955

Abstract : Piston head cracks measuring 50-280 mm in the Baldwin diesel (6 cylinders, 4 cycle, 590 HP and 500 rpm) can now be successfully repaired by a method described by the author. This consists of drilling through a hole whose diameter is greater than the crack length, threading it and fitting it with threaded steel plug. Two sketches to illustrate the method are attached. Editors of this periodical inserted their approbation to the described method in preference to the pistons repair by welding.

Institution: None

Submitted : No date

CHERNY, K.K., inzhener.

Improve the system of incentives of efficiency promoters in
planning organisations. Izobr.v SSSR 2 no.5:28-29 Ky '57.
(MLRA 10:7)

{Incentives in industry}

AUTHOR: Chernov, K.K., Engineer 91-58-8-3/34

TITLE: The Ventilation of Electric Motors of 3-6 kv in Boiler Rooms of Electric Power Plants (Ventilyatsiya elektrod-vigateley 3-6 kv v kotel'nykh elektrostantsiy)

PERIODICAL: Energetik, 1958, Nr 8, pp 8-10 (USSR)

ABSTRACT: The "Teploelektroproyekt" Institute has carried out a study of the effect of ventilation on the working performance of 3-6 kv electric motors in the boiler houses of power plants. In some plants natural ventilation was used, the motor drawing air from around the boilers in the boiler house; in others the motors were enclosed and drew air from outside through a pipe. It was found that the natural ventilation system led to abnormally high working temperatures since the air was drawn from around the boilers. Still worse, the coal dust, often present in the air, clogged the motors, caused breakdowns, destroyed the insulation, necessitated more frequent repair and cleaning, and led to rapid wear of

Card 1/2

91-58-8-3/34

The Ventilation of Electric Motors of 3-6 kv in Boiler Rooms of Electric Power Plants

the bearings. The author concludes that the enclosed ventilation system is preferred. There is 1 Soviet reference.

1. Electric motors--Ventilation

Card 2/2

CHERNY, K.K., inzh.

Cable with water cooling. Energokhoz. za rub. no.5:43 S-0
'59. (MIRA 13:2)
(Glasgow--Electric cables--Cooling)

CHERNY, K.K., inzh.

New design of a 115 kv. open distributing device. Energokhoz.
za rub. no.1:46-47 Ja-F '60. (MIRA 13:5)
(United States--Electric power distribution)

CHERNY, K.K., inzh.

Layout of a 230 kv. distributing installation on a hexagon
circuit. Energokhoz. za rub. no.2:43-44 Mr-Ap '60. (MIRA 13:6)
(Electric power distribution)

CHERNEV, K.K., inzh.

Use of fuels at electric power plants in the U.S.A. *Energokhoz. za*
rub. no. 4:44-45 J1-A^o '60. (MIRA 13:10)
(United States--Electric power plants)

CHERNEV, K.K., inzh.

Servicing of substations equipped with telemetering and
automatic control equipment. Elek.sta. 31 no.5:62-67
My '60. (MIRA 13:8)
(Electric substations)

CHERNEV, K.K., inzh.

Working drawing of the TVM-60 turbogenerator. Elek.sta. 31 no.6:
90-91 Je '60. (MIRA 13:7)
(Turbogenerators)

CHERNEV, K.K., inzh.

Equipment used in work on electric lines and substations in
the United States. Energokhoz. za rub. no.6:42:44 N-D '60.

(United States-- Electric lines)

(MIRA 14:3)

CHERNEV, K.K., inzh.

Conference on the manufacture of electric transformers.
Elek. sta. 31 no.9:88-90 S '60. (MIRA 14:10)
(Electric transformers—Congresses)

SOKOLOV, B.A., red.; ASHKYATOV, A.K., red.; CHERNEV, K.K., red.;
STRASHNYKH, V.P., red.izd-va; MOCHALINA, Z.S., tekhn.red.

[Instructions (SN 171-61) for checking the state of the
electrical insulation of transformers prior to placing them
in operation] Instruksiia po kontroliu sostoiianiia izo-
liatsii transformatorov pered vvodom v ekspluatatsiiu (SN 171-61).
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam,
1961. 31 p. (MIRA 15:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.

(Electric transformers—Safety regulations)

CHERNEN, Konstantin Konstantinovich; ALEKSEYEV, S.V., red.; VORONIN, K.P.,
tekhn. red.

[Servicing of high-voltage distribution systems] Obsluzhivanie
raspredelitel'nykh ustroystv vysokogo napriazhenia. Moskva, Gos.
energ.izd-vo, 1961. 55 p. (Biblioteka elektromontera, no.47)
(MIRA 14:12)

(Electric power distribution—High tension)
(Electric substations—Maintenance and repair)

CHERNEV, K.K., red.; VORONIN, K.P., tekhn. red.

[Safety engineering regulations for operating the electric equipment of municipal electric-power networks] Pravila tekhniki bezopasnosti pri ekspluatatsii elektroustanovok gorodskikh elektrosetei. Izd. 12, dop. Moskva, Gos. energ. izd-vo, 1961. 95 p.
(MIRA 14:7)

1. Russia (1923- U.S.S.R.) Glavnoe energeticheskoe upravlenie.
(Electric power distribution--Safety measures)

KHAVIN, N.Z., inzh.; CHERNEV, K.K., red.; VORONIN, K.P., tekhn. red.

[Safety engineering regulations for operating overhead electric power distribution lines carrying voltages in excess of 1000 volts] Pravila tekhniki bezopasnosti pri ekspluatatsii vozdukhnykh liniy elektroperedachi napriazheniem vyshe 1000 v. Izd.10, dop. Moskva, Gosenergoizdat, 1962. 87 p. (MIRA 15:7)

1. Russia (1923- U.S.S.R.) Glavnoye energeticheskoye upravleniye.

(Electric power distribution—Safety regulations)

BELEN'KIY, L.S., inzh.; TSINNE, R.Ya., inzh.; CHERNEV, K.K., red.;
SHIROKOVA, M.M., tekhn. red.

[Regulations governing the use and testing of the protection devices of electric power systems] Pravila pol'zovaniia i ispytaniia zashchitnykh sredstv, primeniamykh v elektroustanovkakh. Izd.2., perer. Moskva, Gosenergoizdat, 1962. 54 p. (MIRA 15:9)

1. Russia (1923- U.S.S.R.) Glavnoye energeticheskoye upravleniye. 2. TSekh vysokovol'tnogo oborudovaniya Gosudarstvennogo tresta po organizatsii i ratsionalizatsii elektrostantsiy (for Belen'kiy, TSinne).

(Electric power distribution—Safety regulations)

~~CHERNEV, Konstantin Konstantinovich; MANDRYKIN, S.A., red.; LARIONOV,~~
~~G.I.R., techn. red.~~

[Use of protective means in electrical systems] Primenenie
zashchitnykh sredstv v elektroustanovkakh. Moskva, Gosenergo-
izdat, 1963. 56 p. (Biblioteka elektromontera, no.91)
(MIRA 16:8)

(Electric lines--Safety measures)

Khavin, N.Z., inzh.; Chervnev, K.K., red.

[Safety engineering regulations for operating overhead power transmission lines with potentials exceeding 1000 volts] Pravila tekhniki bezopasnosti pri ekspluatatsii vozdukhnykh liniy elektroperedachi napriazheniem vyshe 1000 v. Izd. 11., dop. Moskva, Gosenergoizdat, 1963. 100 p.
(MIRA 17:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy komitet po energetike i elektrifikatsii. 2. Gosudarstvennyy trest po organizatsii i ratsionalizatsii elektrostantsiy (For Khavin).

KHAVIN, N.Z., inzh.; CHERNEV, K.K., red.; BUL'DYAYEV, N.A., tekhn.
red.

[Safety engineering regulations for operating overhead power transmission lines with voltages exceeding 1000 volts] Pravila tekhniki bezopasnosti pri ekspluatatsii vozdukhnykh lini elektropredachi napriazheniem vyshch 1000 v. ^{Izd.11.}, dop. Moskva, Gosenergoizdat, 1963. 100 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy komitet po energetike i elektrifikatsii. 2. Gosudarstvennyy trest po organizatsii i ratsionalizatsii elektrostantsiy (for Khavin).

KHAVIN, N.Z., inzh.; BELENKIY, L.S., inzh.; CHERNEV, K.K., red.

[Safety engineering regulations for operating the electrical systems of municipal power distribution networks] Pravila tekhniki bezopasnosti pri ekspluatatsii elektroustanovok gorodskikh elektrosetei. Izd.13., izmenennoe i dop. Moskva, Izd-vo "Energia," 1964. 101 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Tekhnicheskoye upravleniye po ekspluatatsii energosistem.

CHERNEV, K.K., red.

[Regulations for operating and testing protection devices used in electrical systems] Pravila pol'zovaniia i ispytaniia zashchitnykh sredstv, primeniayemykh v elektroustanovkakh. Izd.4. Moskva, Energiia, 1964. 55 p.

(MIRA 17:11)

1. Russia (1923- U.S.S.R.) Tekhnicheskoye upravleniye po ekspluatatsii energosistem.

CHERNEV, K.K.

New instructions on rendering first aid and injuries from electric
current. Prom. energ. 20 no.3:45 Mr '65.

(MIRA 28:6)

CHERNEV, Konstantin Konstantinovich; NIKOLAYEVA, M.I., red.

[Maintenance of electric transformers] Obsluzhivanie
transformatorov. Moskva, Energiia, 1964. 64 p. (Biblio-
teka elektromontera, no.137) (MIRA 18:7)

ZLATEVA, A. I.; MARKOV, P. K.; PEEVA, A. T.; KHRISTOV, L. G.; CHERNEV, Kh.M.

Elastic proton-proton scattering at small angles at energy 6.2 bev.
Doklady BAN 14 no.5:423-448 '61.

(Protons)

S/058/62/000/006/012/136
A061/A101

AUTHORS: Zlateva, A. I., Markov, P. K., Peyeva, A. T., Khristov, L. G.,
Chernev, Kh. M.

TITLE: Elastic proton-proton scattering under small angles at 6.2-Bev energy

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 29, abstract 6B207
("Dokl. Bolg. AN", 1961, v. 14, no. 5, 443 - 446, English summary) ✓

TEXT: Elastic p-p scattering at 6.2-Bev energy under angles of $1^{\circ}.2 - 11^{\circ}.5$ in the center-of-mass system has been studied using a photoemulsion chamber irradiated by the internal proton beam of the ОИЯИ (ОИЯИ) proton synchrotron. An irradiation geometry has been used, in which the incident flux is perpendicular to the plane of the emulsion layers. This experimental arrangement permits the efficient recording of p-p scattering down to very small angles, and a reliable singling out of background events. In all, 141 cases of elastic p-p scattering have been singled out. The results are compared with the differential section under zero angle, calculated by the optical theorem using the full sec-

Card 1/2

Elastic proton-proton scattering...

S/058/62/000/006/012/136
A061/A101

tion of p-p interaction. Conclusions on the presence of a real part in the scattering amplitude or on its dependence on the spin state will be possible only after the statistical basis has been extended.



[Abstracter's note: Complete translation]

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KORBEL, Z.F.; SHAFRANOVA, M.G.; ZLATEVA, A.I.; MARKOV, P.K.;
TODOROV, T.S.; CHERNEV, Kh.M.; DALKHAZHAY, N.; TUVDENDORZH, D.;
ZRELOVA, N.N., tekhn. red.

[Elastic scattering of π^- -mesons on protons at a momentum
of 4 GeV/c] Uprugoe rasseianie π^- -mezonov na protonakh pri
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Bator (for Dalkhazhav, Tuvdendorzh).

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Elastic scattering of protons at 6.2 Bev. Izv fiz atom BAN 11
no.1/2:105-120 '63.

L 10237-63

BDS/EWT (n) - APFTG/ASD - IJP (C)

ACCESSION NR: AP3000036

S/0056/63/044/005/1470/1473

AUTHOR: Zlateva, A. Y.; Kyurkcheva, D. T.; Markov, P. K.; Chernev, Kh. M. (B)

TITLE: Elastic proton-proton scattering at 6.2 BeV.

SOURCE: Zhurnal eksper. i teoret. fiziki, v. 44, no. 5, 1963, 1470-1473

TOPIC TAGS: proton-proton scattering, elastic, emulsion technique, perpendicular irradiation

ABSTRACT: Elastic p-p scattering at 6.2 BeV was measured by perpendicular irradiation of nuclear emulsions which yields the required information more rapidly than the usual parallel irradiation when the differential cross sections for high-energy elastic scattering is measured at small angles (up to 1° in the center of mass system). The differential cross section was obtained for the $1.3 - 10.5^\circ$ c.m.s. range. The results, together with the data obtained by the authors elsewhere (Zhurnal eksperimental'noy i teoreticheskoy fiziki, vol. 37, 910, 1959, and vol. 38, 1471, 1960), together with the results of Cora, Henezel, and Causey (Phys. Rev. vol. 107, 859, 1957), cover the broad c.m.s. range $1.3 -$

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